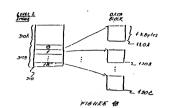


10 miles 188



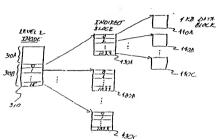
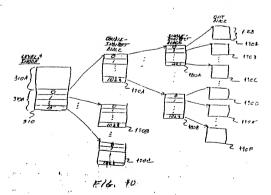


FIGURE 1C



MARK ATT DIRTY"
JNO.DES AS ITV 510 CONSISTE AVEY POINT FLUSH REGULAR FILES FLUSH 530 META-DATA FILES 540 FLUSH FSINFO BLOCK 550

08/**071643** 454921

08/**071643** 454921 PRE-FLUSH THE 610 INODE OF THE BLKMAP FILE. WRITE-ALLOCATE DISK SPACE FOR ALL DIRTY BLOCKS 530 FLUSH THE INOUE FOR THE BLKMAP FILE. UPDATE ENTRIES 640 IN BLKMAP FILE WRITE DIRTY 650 BLOCKS IN BLKMAD AND INDOE FILES TO DISK.

FIGURE 6

PSE-FLUSH THE INCIDES OF THE 710 BIKMAP FILE AND THE SNAPSHOT. 530 DIRTY EVERY BLOCK IN THE BLKMAP FILE. WRITE- ALLOCATE - 730 DISK SPACE FOR ALL DIRTY BLOCKS COPY ROOT 710 FILE SYSTEM INTO SNAPSHOT INOUE. FLUSH THE 750 INODES OF THE BLKHAPFILE AND SNAPSHOT UPDATE ENTRIES IN BLYMAP FILE 760 BY COTYING 13-811 INTO CP-BIT AND SNAPSHOT BIT. WRITE DIRTY BLOCKS IN BLKMAN TO DISE.

08/**071643** -454921

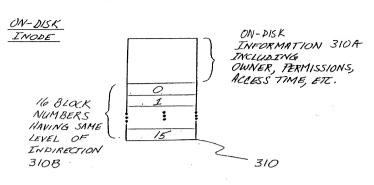


FIGURE 3

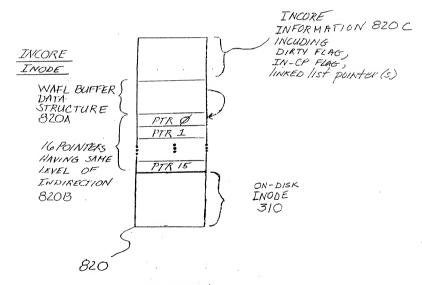
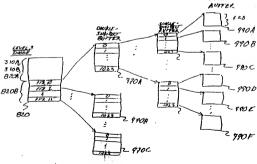
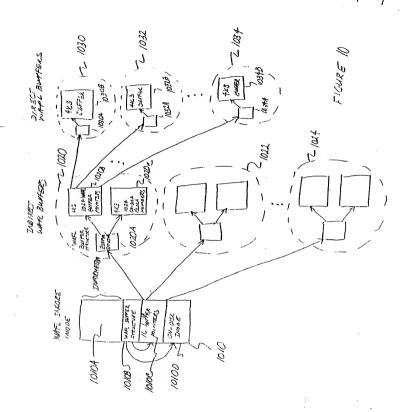
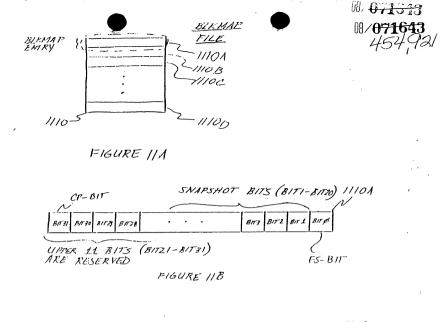


FIGURE 8

Door 08/071643 45492/ 4-Byks 9208 FIGURE 9A OAM (DIRECT) BUTTER SIVEL L 310A, + KBytes 8208 *:* 820 2 922C FIGURE 98 MITH INDIXED BUTTER 9101 INDER 1 930A 25 2710C 820B [™] 930B 820 2 930C FIGURE 9C 0417 BUTTER







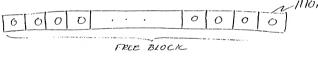
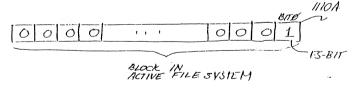
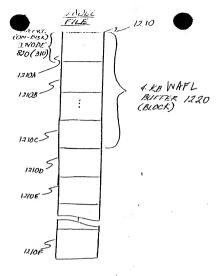


FIGURE 11 C



٥.



08/**071643** 454,92/

FIGURE 12

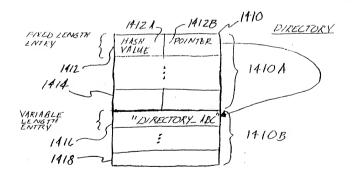


FIGURE 14

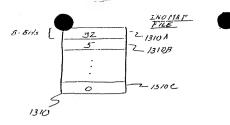


FIGURE 13 A

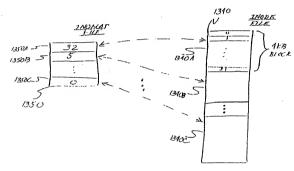
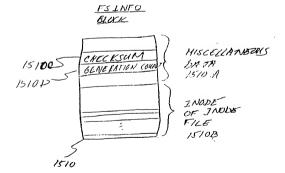


FIGURE BB



FIBURE 15

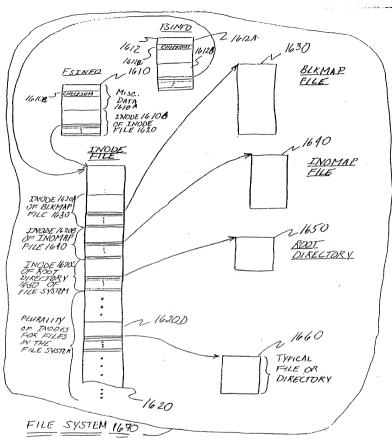


FIGURE 16

18/071643 454.92/

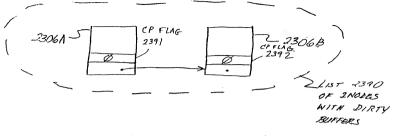


FIGURE 17A

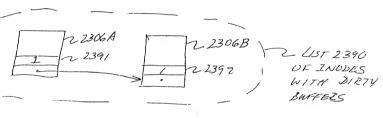


FIGURE 17 I

454,921 INODE FILE 2346 ISINTO BLOCK 2302 RODT. 2306A 2310 23068 2312 2306C. 2314 2396 -2318 171CE 2314

FIGURE 178

18/**071643** 45492/ · INODE FILE 2346 FILE 2340 FSINTO BLOCK 2302 1KB | BLOCK | 2301 | RODT. 23061 2340 23068 . 2342 2306C. 2314 FILE 2312 2306 5 2318 2320 FILE

2311

FIGURE 17.C

BITSI		BITI BIND	
(Cr-pin	-)	(r3-8n)	
2301 - 1		1/2-23241	
2306 7		1/223218	
5.300 8		0022321C	
2310 ~- 1		1/223240	
2312 1	- 6 -	1/22324E	
2311 - [1 D 2 2379 F	
2316 -1	• • •	1/2-23216	11.B
2318 - 1		1/22324.4	BLACK
2320-1		1/22329I	2324
53.20 -5 0		002-23295	
3321 J		1/2-2324.K	
2326-10		00223246	
1378-10		0022821M	
ŕ			

FIGURE 170

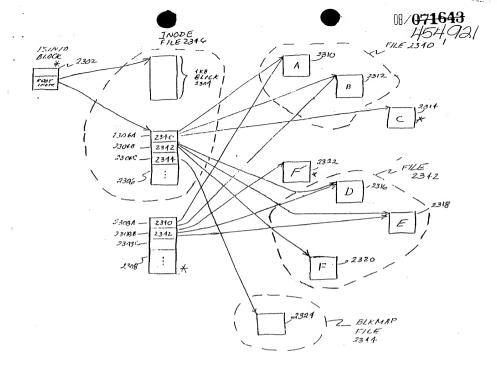


FIGURE ITE

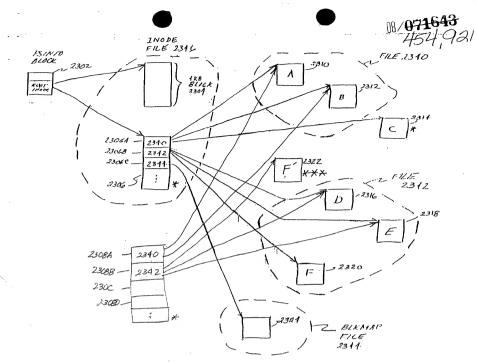
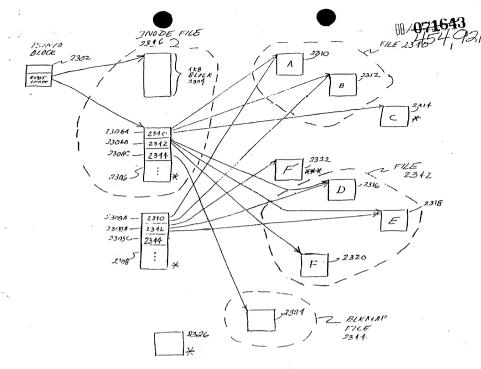


FIGURE 17.F



FIGHRE 17G

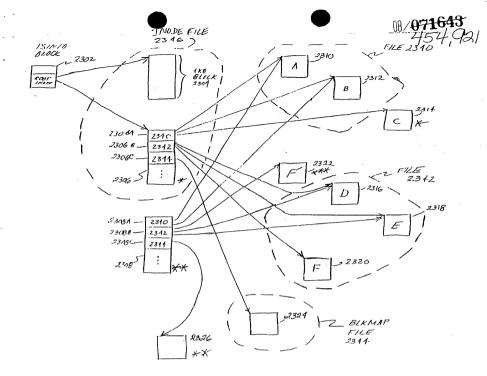


FIGURE 17A

BIT31		BIT BING	
((1-1017))	(13-811)	
BLOCK # 2301 +> 1		1152326A	
2306 (> 0		10523268	
5308 (> /	. , , , ,	D1-52326C	
2310 (-> 1		1/5-23260	
2312		1 1 52326E 1 10 1 2326F	
23/14		1 5-23266	11:13
.03/6 (-1)	<u> </u>	1 52326H	81.0°K
2318 67 1		10 5-2326I	2306
2320€ €		152376 J	
2370		1052326K	
5321 C		0 1 5 23264	
5326			
1378		-1-1-1	
	<u> </u>		

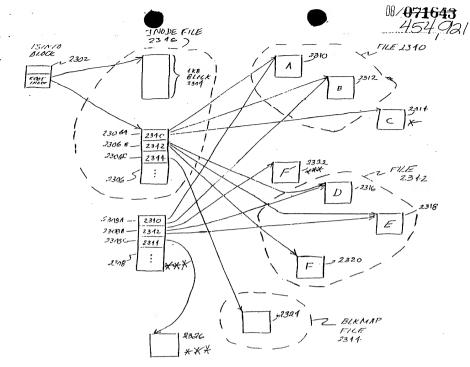
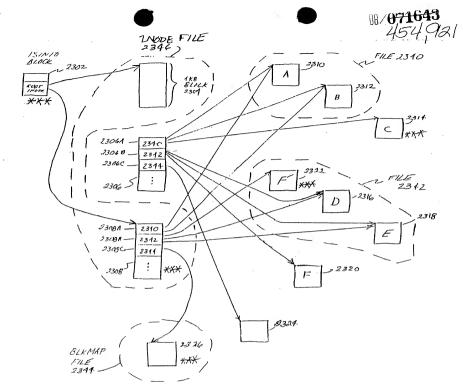
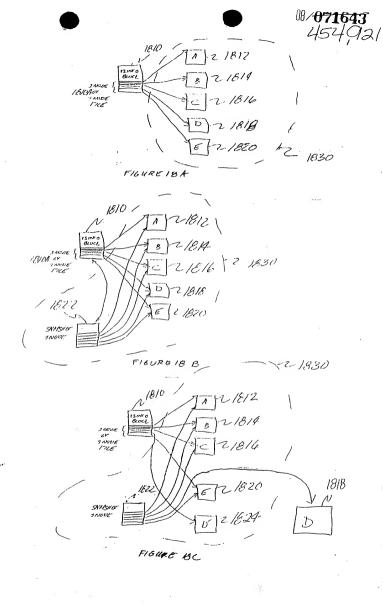


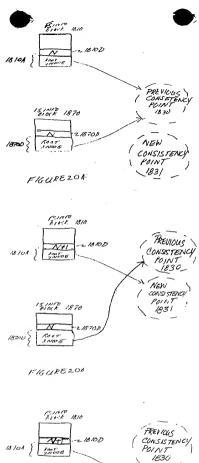
FIGURE 17K



FIGHRE 17 L



New plack DIRECT BLOCKS 12/920 12/92 F16418E 19 SINGLE-INDIRECT GLOCKS 12/820 DOUBLE -INDIRECT BLOCKS INDOE OF INC 0181



08/071643 454,921

IS ION STATE TO IS TO INSTITUTE TO INSTITUTE

FIGURE 20C

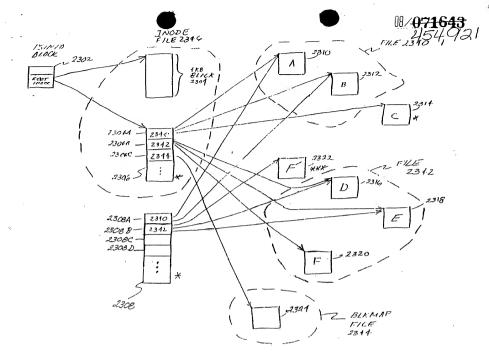
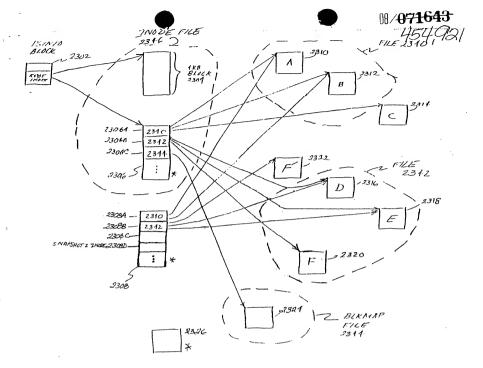
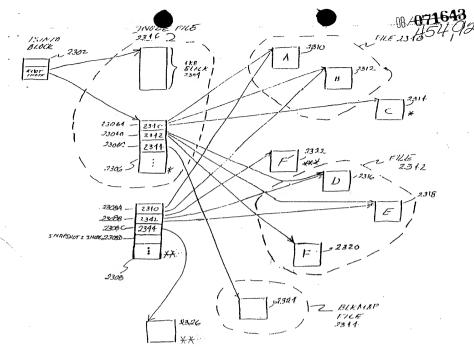


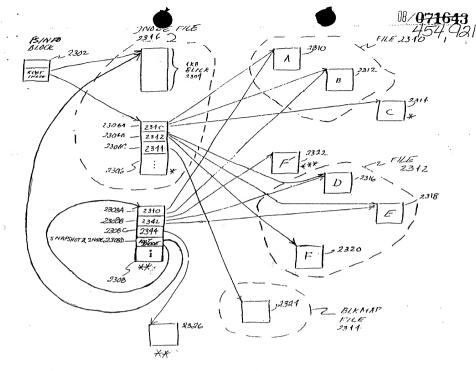
FIGURE 21A



FIGHRE 21B



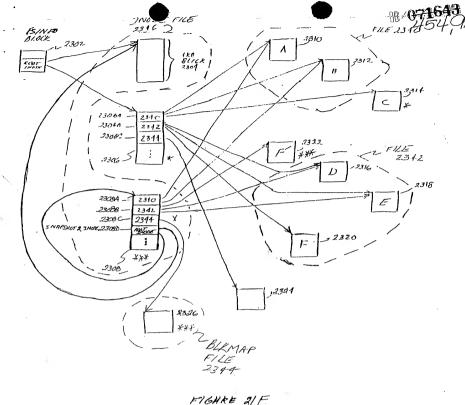
FIGHRE ZIC



FIGHRE 2/D

SNARSHOT 2	
BIT	
BITS OIT DING	
(13-811)	
BIOX # 2301 (>1 1/152326A)	
150 () () () () () () () () () (
1 0 1 - 23.60	
23/6 - 1 / / / 5-2326/0	
23/2 () 7 2326F	
9-11/	KB
	326
	300
23 AZ 67 1 0 1 0 5 2326K	
2321 40 15-23261	
23264	
23284	

FIGURE 21 E



TOTAL ATT.

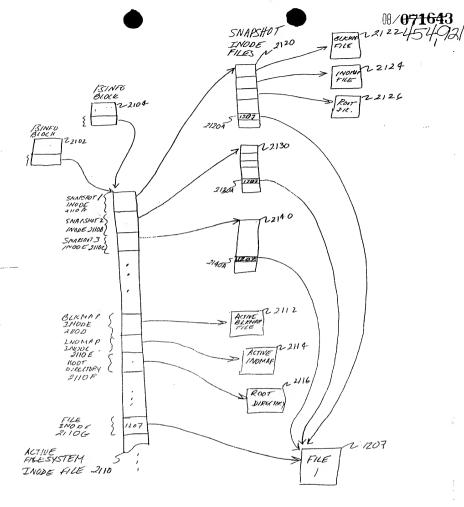


FIGURE 22

08/07164345492/ . WATZ DIRECT WAPL BLOCK BLOCK FILE TSINTO BLOCK 1/30. 9:150 INQUE 2922 7 Kapointers 2424 2410 2420 ACCESS TIME 2433 . SNARSHOT INODE 2132 SI NOOM 2434 2130

FIGURE 23A

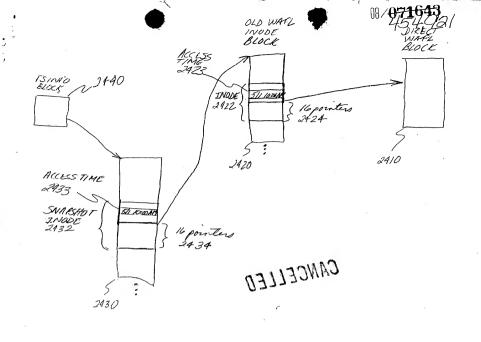


FIGURE 23 B